



City of Carnation



King County

# CARNATION WASTEWATER TREATMENT FACILITY PROJECT • UPDATE

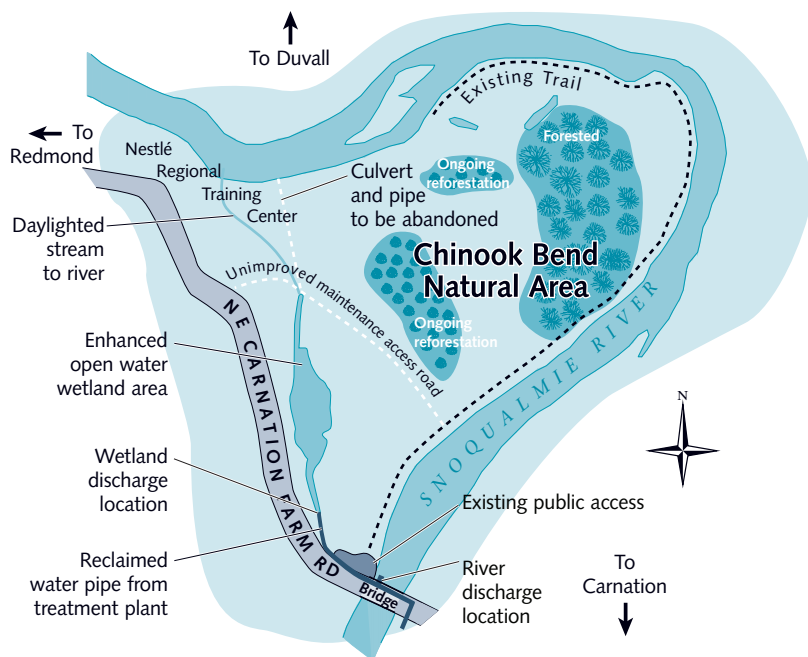
December 2006

## Carnation wetland discharge moves forward!

When it comes online in 2008, the new Carnation treatment plant will use an advanced treatment technology called a membrane bioreactor or MBR. The plant will produce reclaimed water that can be used safely as a drought-proof water source for wetland enhancement and other beneficial uses. Reclaimed water will be discharged to a wetland in the county's Chinook Bend Natural Area, next to the plant's river outfall site at the Carnation Farm Road Bridge.

King County is partnering with Ducks Unlimited to design the wetland discharge project. Ducks Unlimited is a non-profit group dedicated to wetland conservation. This partnership will help reduce costs and expedite implementation of the project. Last summer, the county and Ducks Unlimited worked with the Snoqualmie tribe and other interested stakeholders to develop a preliminary design for the wetland (see map).

### CONCEPTUAL ENHANCEMENT of the CHINOOK BEND NATURAL AREA



The wetland design focuses on enhancing native plantings and controlling reed canary grass through the use of a water control structure, which allows for moist soil management as well as fish passage. The design includes removing an existing culvert and pipe system that currently drains the existing degraded wetland, and installing a new water control structure, "daylighting" the water flowing out of the wetland. The design will increase the size of the wetland to nearly four acres, benefiting wildlife and enhancing opportunities for passive recreation at Chinook Bend.

Construction of the wetland is scheduled to begin in the second half of 2007. The treatment plant is expected to come online in the first half of 2008. During start-up, treated water from the plant will be discharged via the river outfall. After start-up is complete in later 2008, the wetland will become the primary discharge location for reclaimed water. The river outfall will remain operational and serve as a backup to the wetland, but only used when maintenance or equipment problems prevent the facility from producing reclaimed water. When the outfall is in use, the plant is still expected to produce highly treated water that meets or exceeds river discharge standards.



*Creating Resources from Wastewater*



## King County

Department of Natural Resources and Parks

### Wastewater Treatment Division

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## CARNATION WASTEWATER TREATMENT FACILITY

# WETLAND DISCHARGE MOVES FORWARD!

The information in this newsletter is available on request in accessible formats by calling 206-296-8361 or 711 (TTY).

## CONSTRUCTION OF TREATMENT SYSTEM CONTINUES!

Despite record-setting rain in November 2006, construction of the county's new Carnation wastewater treatment plant is on schedule. Though the treatment plant site flooded when the Snoqualmie River overtopped its banks, the plant will be above the 100-year flood plain. Water levels in November did not exceed the design elevation.

The city's contractor is continuing to build the collection system that will bring wastewater from homes and businesses to the treatment plant.

For construction questions or concerns, please call the **Carnation Sewer Project's 24-hour construction hotline at 425-890-9790** or e-mail [etaylor@enviroissues.com](mailto:etaylor@enviroissues.com).



## NEW WETLAND INFORMATION AVAILABLE

King County has issued an addendum to the final environmental impact statement for the Carnation wastewater treatment plant project. The addendum includes some new information about discharging reclaimed water from the new plant to enhance wetlands and help control invasive species at the Chinook Bend Natural Area. The information in the addendum does not substantially change the analysis of significant impacts and alternatives in the final EIS. Copies of the addendum are available on the Web at <http://dnr.metrokc.gov/wtd/carnation/>. Paper copies are available by calling 206-296-8361 or e-mailing [jo.sullivan@metrokc.gov](mailto:jo.sullivan@metrokc.gov).

